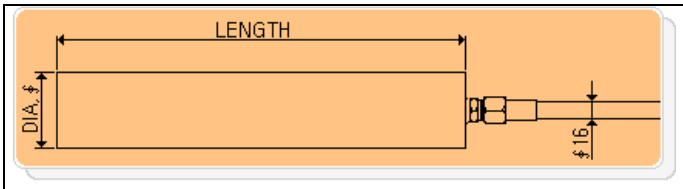
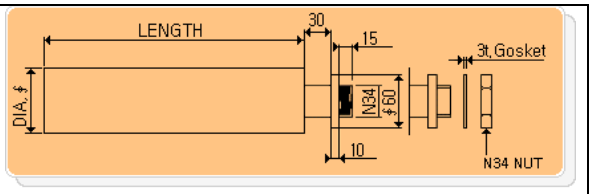
Option 1: MMM Tube Transducer

- This submersible transducer array is constructed of stainless steel with a Hard-Cr plating.
- When driven by an MMM generator its unique construction and shape stimulate a full range of wideband harmonic frequencies and ultrasonic effects in liquid.
- Strong even cavitation along the entire tube length.
- MMM technology eliminates standing waves to improve cleaning and sonochemical reaction.
- Available in 600 W, 900 W, 1200 W, 1500 W, and higher on custom order.
- The Flexible Hose version allows the Tube Transducer to be submersed in any tank configuration, in any position (vertical, horizontal, diagonal), and may be easily moved form tank to tank.
- The Through Tank Wall version allows for secure and fixed mounting to a tank wall or base in any position (vertical, horizontal, diagonal).



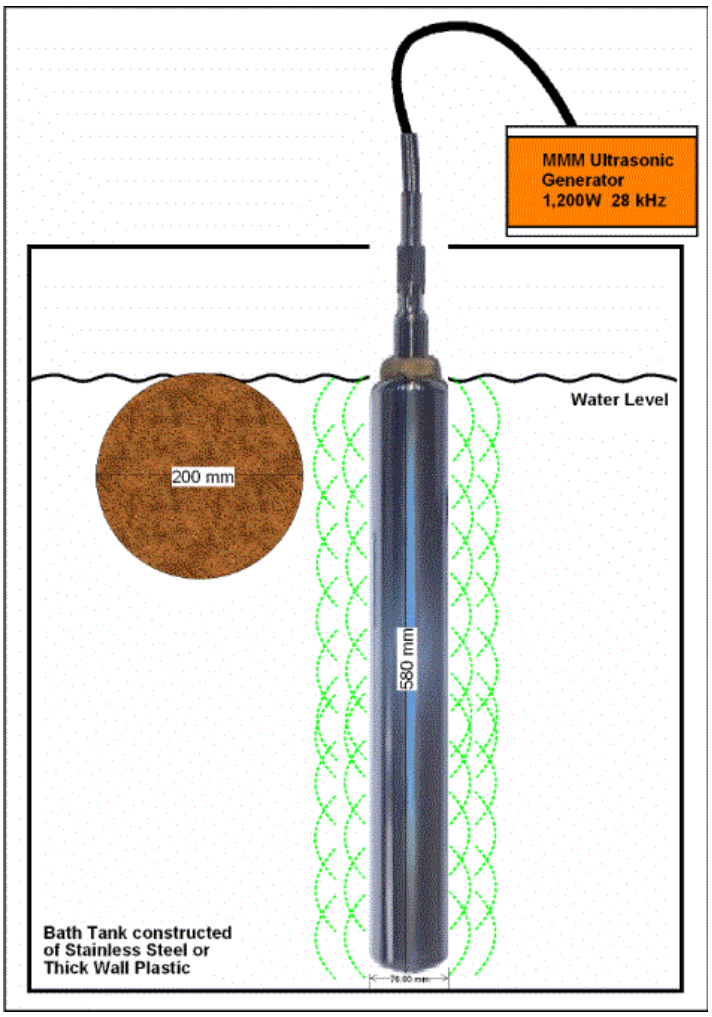
Flexible Hose Connection



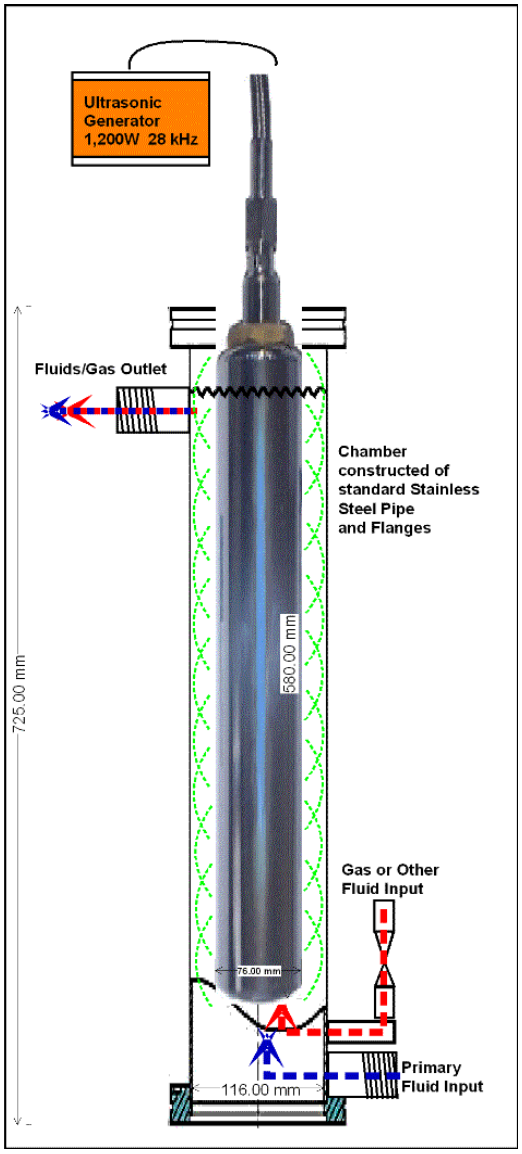
Through Tank Wall Connection

MODEL	TU-28-600	TU-28-900	TU-28-1200	TU-28-1500
Power	600 watt	900 watt	1200 watt	1500 watt
Frequency	28 Khz	28 Khz	28 Khz	28 Khz
Dimension	Ø 76.3 x L 310 mm	Ø 76.3 x L 460 mm	Ø 76.3 x L 580 mm	Ø 76.3 x L 680 mm

Option 1: MMM Tube Transducer Possible Applications



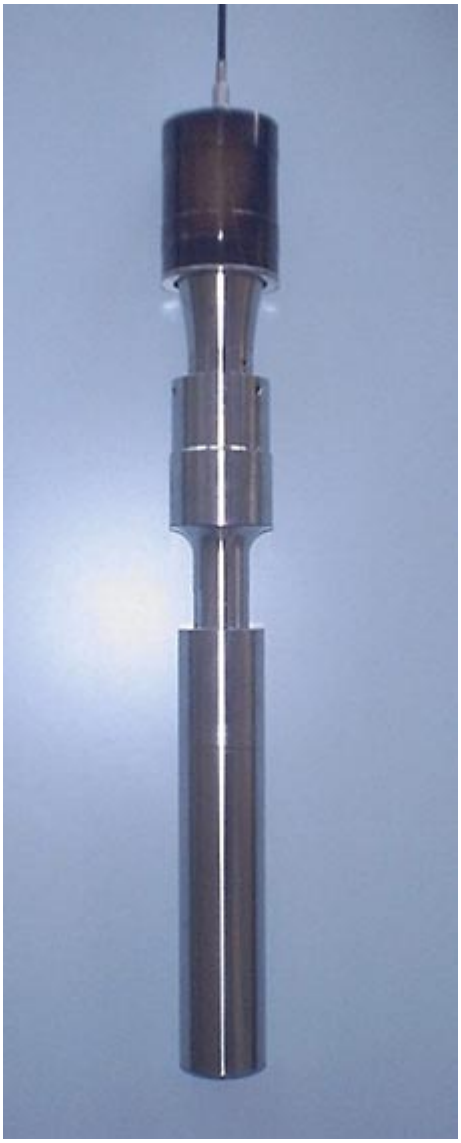
Option 1A:
Ultrasonic Bath with
MMM Tube Transducer

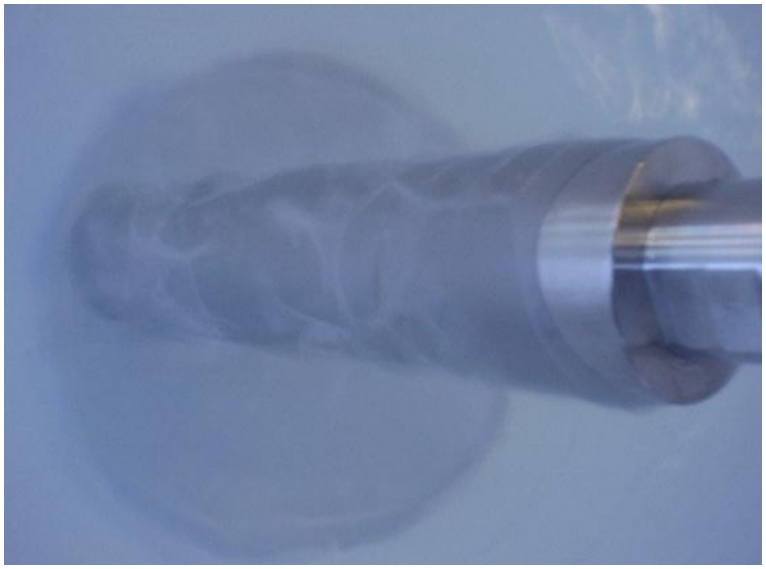


Option 1B:
Flow-Thru Chamber with
MMM Tube Transducer

Option 2: High Power Fixed Frequency Piston Probe

- 20 kHz Fixed frequency
- 2,000 watts max
- Booster Ratio 1:2.0
- Fullwave Probe (titanium)
    - Diameter = 50mm
    - Length = 250 mm
- Very high Axial energy produces strong cavitation and acoustic power for mixing, homogenization, flock & particle breakdown.
- New probe design also provides high radial energy for strong cavitation along the probe length.





Power Draw Test: In Water		
Probe Submerged	50% Amplitude	100% Amplitude
Full submerge:	1,000 W	1,500 W
½ Submerge:	600 W	1,000 W
½ Submerge:	600 W	1,000 W
¼ Submerge:	300 W	600 W